

## LEGEND

- CLASS 4 WOOD POLE
- ← SIGNAL HEAD
- ⊗ ⊙ ⊕ ⊖ TRAFFIC SIGNAL HEAD
- ⊗ EVP DESIGNATOR
- ⊕ EVP DETECTOR HEAD
- OH — OVERHEAD SIGNAL CABLE
- ⊗ PEDESTRIAN COUNTDOWN TIMER 16-INCH
- ⊕ TEMPORARY SIGNAL BASE
- ⊕ PUSH BUTTON
- ⊕ LANE DESIGNATION FOR INFORMATION ONLY
- 11 DETECTION ZONE
- ▨ WORK ZONE

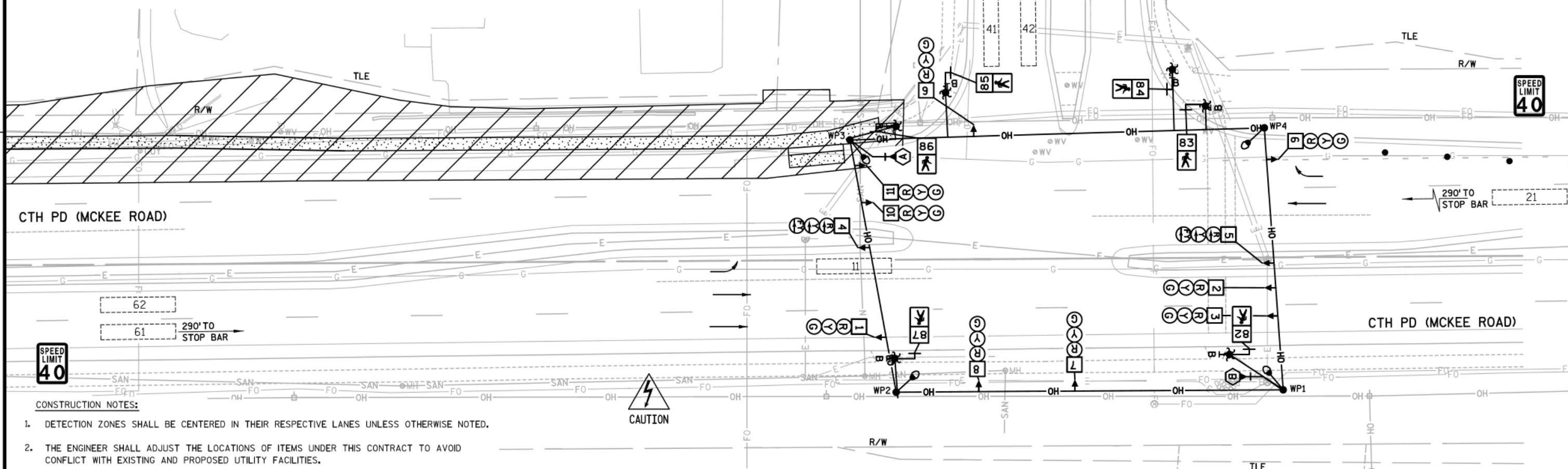
NOTE: ALL LENSES ARE 12-INCH



## EQUIPMENT SUMMARY (FOR INFORMATION ONLY)

WOOD POLES, CLASS IV	4 EA
GUY WIRES	8 EA
OVERHEAD SPAN WIRE	530 LF
CONTROLLER/CABINET	1EA
LUMINARIES	4 EA
TEMPORARY BASES	6 EA

	STATION	OFFSET
WP1	27+54	53' RT
WP2	25+99	53' RT
WP3	25+81	48' LT
WP4	27+47	52' LT



## CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. CONTRACTOR SHALL PROTECT EQUIPMENT TO REMAIN, IF EQUIPMENT IS DAMAGED, THE CONTRACTOR WILL REPLACE OR REPAIR DAMAGED EQUIPMENT AT NO EXPENSE TO THE CITY.
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TRAFFIC CONTROL SIGNAL  
CTH PD AND SPOKE DRIVE  
CITY OF FITCHBURG  
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT:

DESIGNED BY:

REVISED BY:

PAGE 1 OF 6

PROJECT NO: 5849-02-02

HWY: CTH PD

COUNTY: DANE

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1

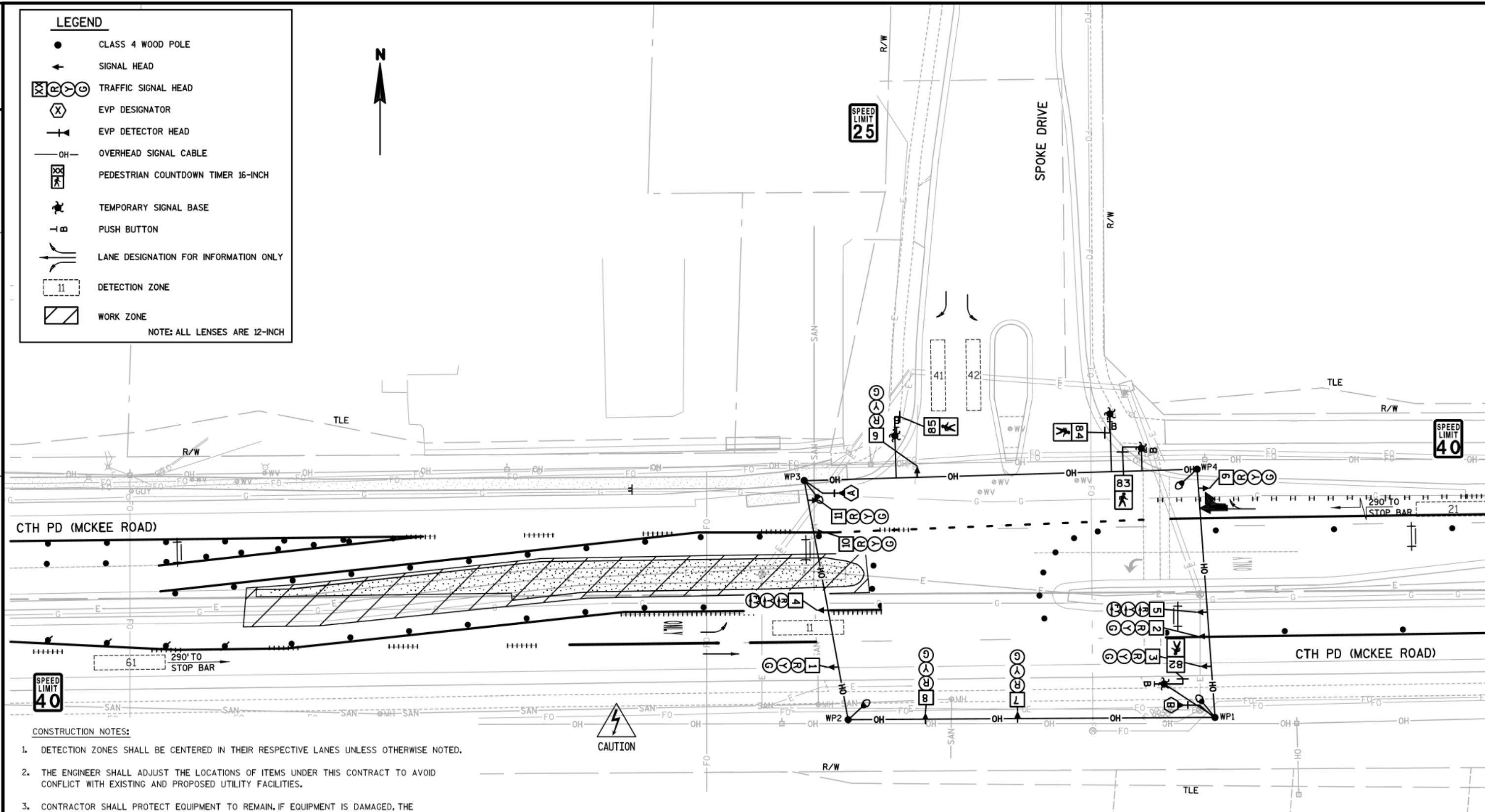
SHEET

E

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COUNTY: DANE

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2

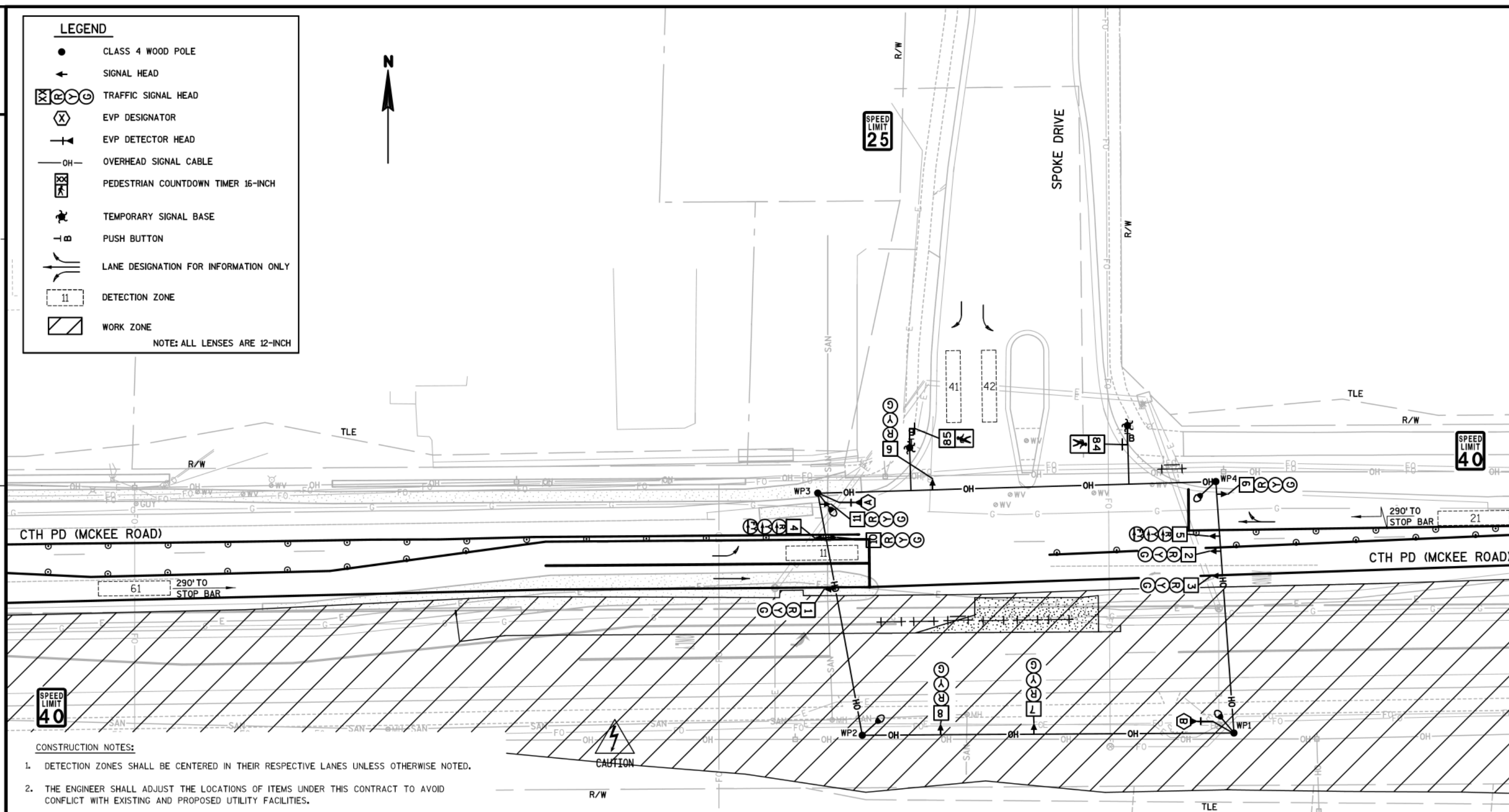
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COUNTY: DANE

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 THRU STAGE 3C

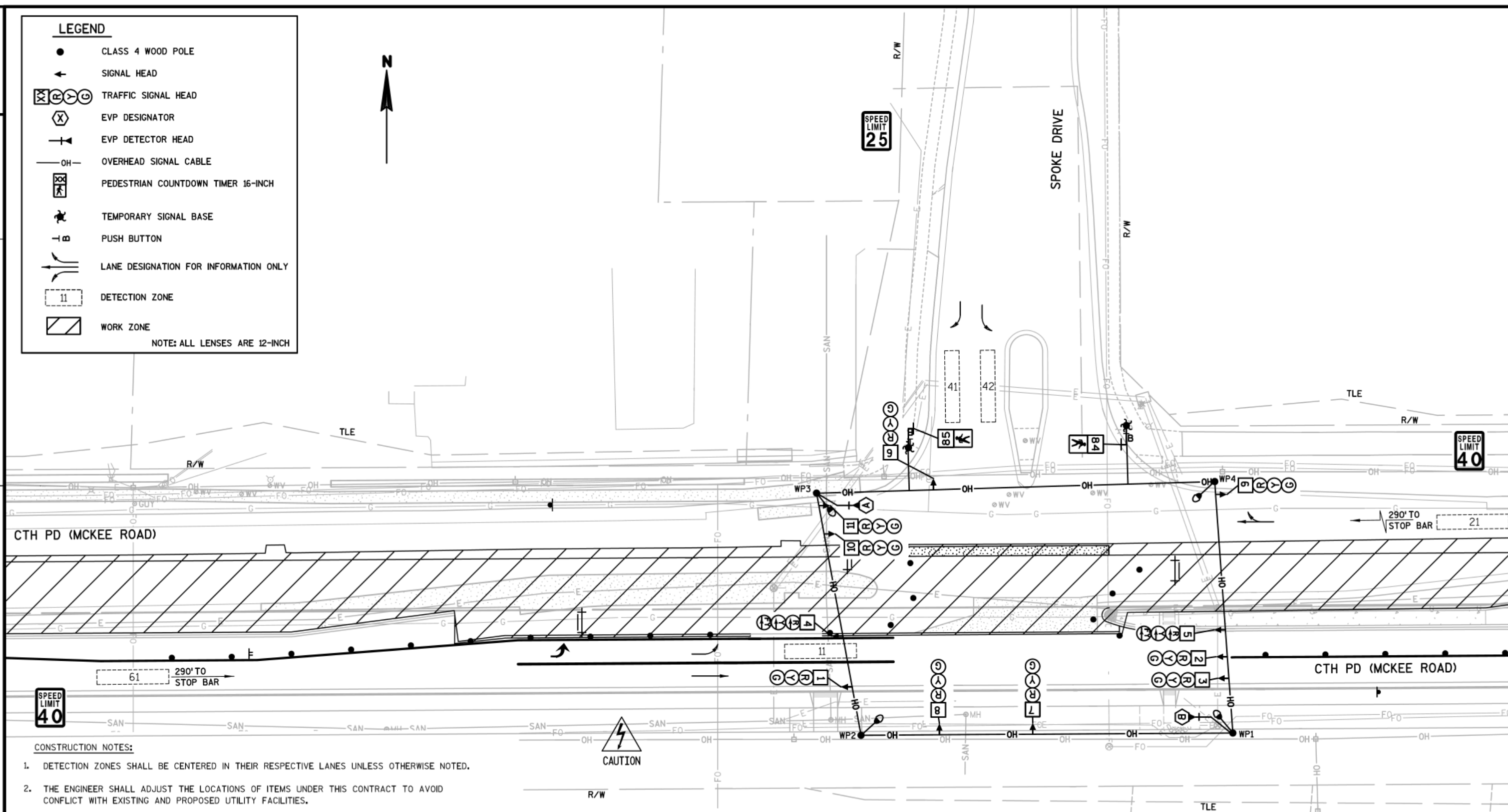
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TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4

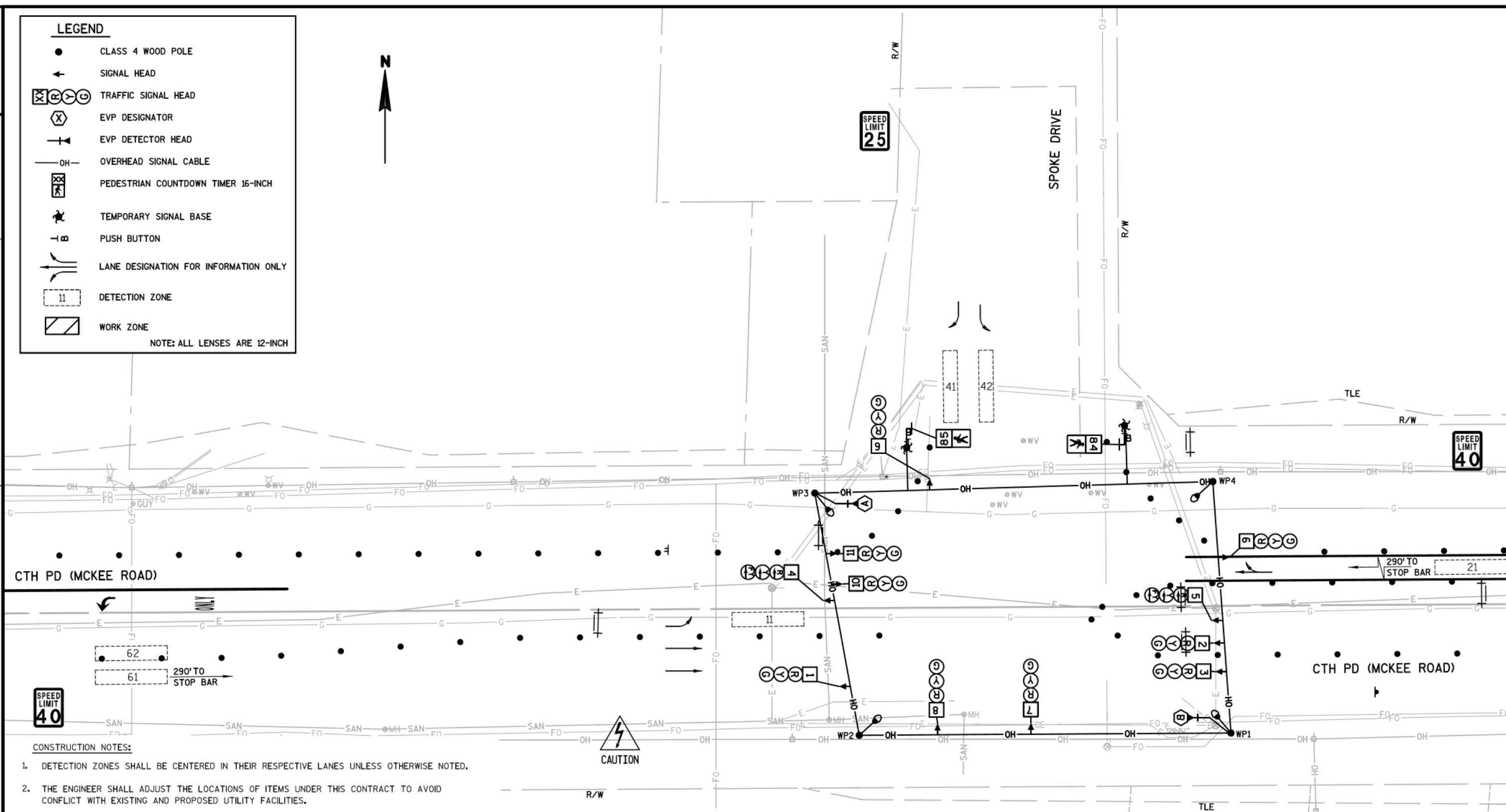
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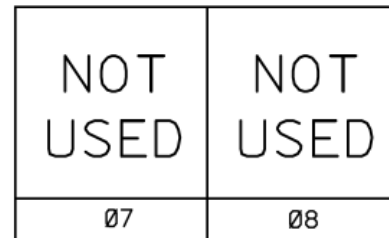
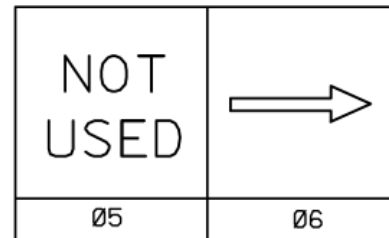
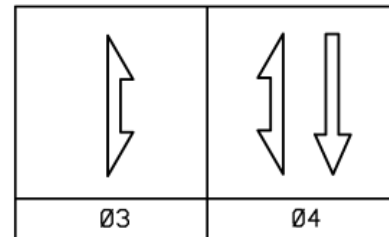
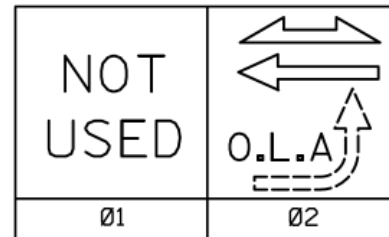
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5A THRU STAGE 6

SHEET

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	HEAD NUMBERS	FLASH
Ø1		
Ø2	9-11	R
Ø3		
Ø4	6-8	R
Ø5		
Ø6	1-3	R
Ø7		
Ø8		
O.L. A	4-5	R
O.L. B		
O.L. C		
O.L. D		
Ø2P	84,85	
Ø3P	82,83	
Ø4P	86,87	
Ø6P		

RING 1



BARRIER

N

## CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				X
4				X
5				
6		2	MIN	X
7				
8				

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	
SIGNAL SYSTEM #:	SS- -

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

## OVERLAPS

O.L. "A" =	NONE
O.L. "B" =	
O.L. "C" =	
O.L. "D" =	

## SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
O.L. "A"		Ø2
O.L. "B"		
O.L. "C"		
O.L. "D"		

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

## DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR # (S)	---	21	---	---	61	62		
PHASE CALLED								
PHASE EXTENDED		2			6	6		
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR # (S)	11	---	41	42	---	---		
PHASE CALLED	1		4	4				
PHASE EXTENDED	1		4	4				
DISCONNECT TIME								
CALLING DELAY			15					
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR # (S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR # (S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

## EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE DETECTOR	A	B
MOVEMENT	←	→
PHASE	2	6

AFTER PREEMPTION SEQUENCE 2 OR 6,  
CONTROLLER SHALL RETURN TO PHASES 2+6.

## GENERAL NOTES:

1. SEQUENCE OF OPERATIONS PROVIDED FOR INFORMATION ONLY
2. PHASE 3 ACTIVE FOR STAGE 1 AND 2 ONLY

CTH PD &  
SPOKE DRIVE  
CITY OF FITCHBURG  
DANE

SIGNAL NO. TEMP

CONTROLLER TYPE: Econolite

DATE ----

PAGE NO. 6 OF 6



LEGEND

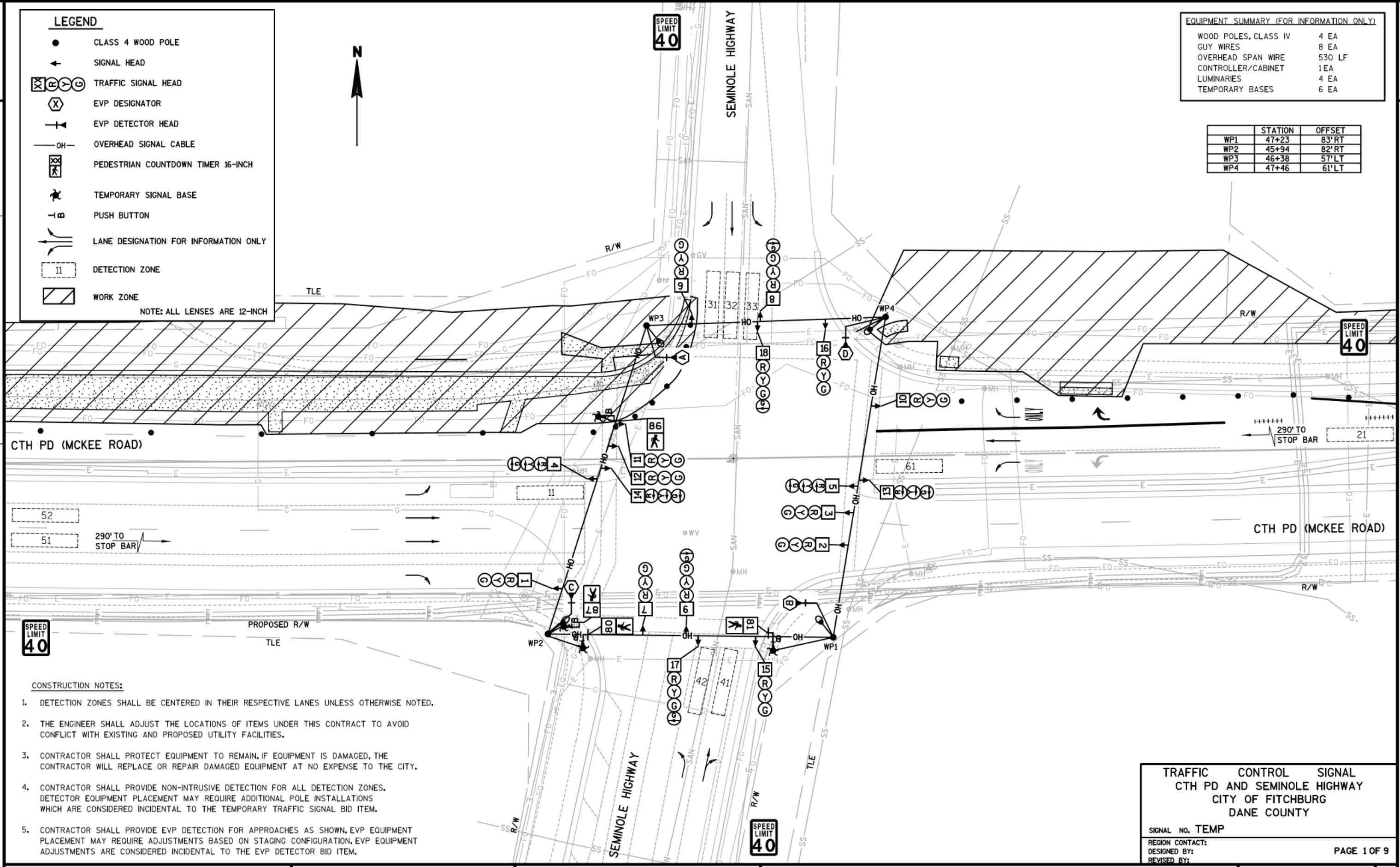
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EQUIPMENT SUMMARY (FOR INFORMATION ONLY)

WOOD POLES, CLASS IV	4 EA
GUY WIRES	8 EA
OVERHEAD SPAN WIRE	530 LF
CONTROLLER/CABINET	1 EA
LUMINARIES	4 EA
TEMPORARY BASES	6 EA

	STATION	OFFSET
WP1	47+23	83' RT
WP2	45+94	82' RT
WP3	46+38	57' LT
WP4	47+46	61' LT



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CTH PD AND SEMINOLE HIGHWAY  
CITY OF FITCHBURG  
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REVISED BY:

PAGE 1 OF 9

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CTH PD (MCKEE ROAD)

CTH PD (MCKEE ROAD)

SPEED  
LIMIT  
40PROPOSED R/W  
TLESPEED  
LIMIT  
40

SEMINOLE HIGHWAY

SPEED  
LIMIT  
40SPEED  
LIMIT  
40

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COUNTY: DANE

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2

SHEET

E



LEGEND

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CTH PD (MCKEE ROAD)

SEMINOLE HIGHWAY

CTH PD (MCKEE ROAD)

SPEED LIMIT 40

SPEED LIMIT 40

SPEED LIMIT 40

SPEED LIMIT 40

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CTH PD (MCKEE ROAD)

SEMINOLE HIGHWAY

290' TO STOP BAR

290' TO STOP BAR

CTH PD (MCKEE ROAD)

PROPOSED R/W

SPEED  
LIMIT  
40SPEED  
LIMIT  
40SPEED  
LIMIT  
40

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TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B

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CTH PD (MCKEE ROAD)

SEMINOLE HIGHWAY

51 290' TO STOP BAR

290' TO STOP BAR

CTH PD (MCKEE ROAD)

SPEED LIMIT 40

PROPOSED R/W  
TLE

SPEED LIMIT 40

SPEED LIMIT 40

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TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3C

SHEET

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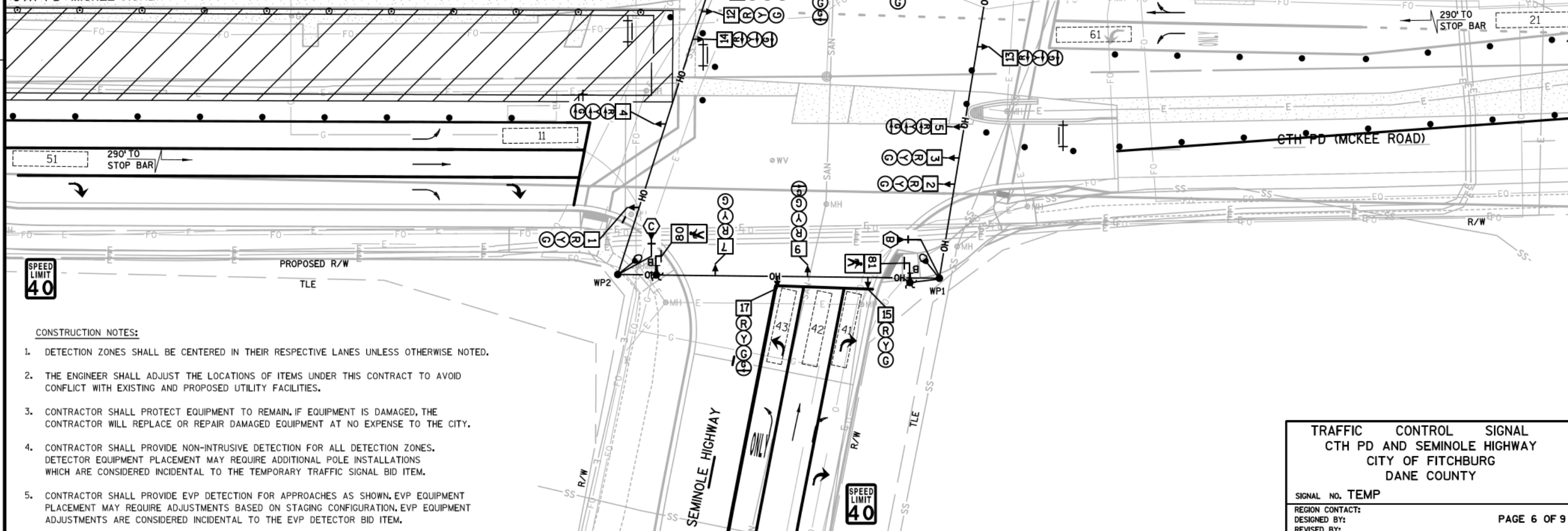
## LEGEND

- CLASS 4 WOOD POLE
- ← SIGNAL HEAD
- ⊗ ⊗ ⊗ ⊗ TRAFFIC SIGNAL HEAD
- ⊗ EVP DESIGNATOR
- ⊥ EVP DETECTOR HEAD
- OH — OVERHEAD SIGNAL CABLE
- ⊗ PEDESTRIAN COUNTDOWN TIMER 16-INCH
- ⊗ TEMPORARY SIGNAL BASE
- ⊥ B PUSH BUTTON
- ⊥ LANE DESIGNATION FOR INFORMATION ONLY
- 11 DETECTION ZONE
- ▨ WORK ZONE

NOTE: ALL LENSES ARE 12-INCH

CTH PD (MCKEE ROAD)

SEMINOLE HIGHWAY



## CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. CONTRACTOR SHALL PROTECT EQUIPMENT TO REMAIN, IF EQUIPMENT IS DAMAGED, THE CONTRACTOR WILL REPLACE OR REPAIR DAMAGED EQUIPMENT AT NO EXPENSE TO THE CITY.
4. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
5. CONTRACTOR SHALL PROVIDE EVP DETECTION FOR APPROACHES AS SHOWN. EVP EQUIPMENT PLACEMENT MAY REQUIRE ADJUSTMENTS BASED ON STAGING CONFIGURATION. EVP EQUIPMENT ADJUSTMENTS ARE CONSIDERED INCIDENTAL TO THE EVP DETECTOR BID ITEM.

TRAFFIC CONTROL SIGNAL  
CTH PD AND SEMINOLE HIGHWAY  
CITY OF FITCHBURG  
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT:

DESIGNED BY:

REVISED BY:

PAGE 6 OF 9

PROJECT NO: 5849-02-02

HWY: CTH PD

COUNTY: DANE

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4

SHEET

E



## LEGEND

- CLASS 4 WOOD POLE
- ← SIGNAL HEAD
- ⊗ ⊗ ⊗ ⊗ TRAFFIC SIGNAL HEAD
- ⊗ EVP DESIGNATOR
- ⊥ EVP DETECTOR HEAD
- OH — OVERHEAD SIGNAL CABLE
- ⊗ PEDESTRIAN COUNTDOWN TIMER 16-INCH
- ⊗ TEMPORARY SIGNAL BASE
- ⊥ B PUSH BUTTON
- ⊥ LANE DESIGNATION FOR INFORMATION ONLY
- 11 DETECTION ZONE
- ▨ WORK ZONE

NOTE: ALL LENSES ARE 12-INCH

CTH PD (MCKEE ROAD)

CTH PD (MCKEE ROAD)

SPEED  
LIMIT  
40PROPOSED R/W  
TLE

## CONSTRUCTION NOTES:

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PROJECT NO: 5849-02-02

HWY: CTH PD

COUNTY: DANE

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5 THRU STAGE 5A

SHEET

E

TRAFFIC CONTROL SIGNAL  
CTH PD AND SEMINOLE HIGHWAY  
CITY OF FITCHBURG  
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT:

DESIGNED BY:

REVISED BY:

PAGE 7 OF 9

## LEGEND

- CLASS 4 WOOD POLE
- ← SIGNAL HEAD
- ⊗ ⊗ ⊗ ⊗ TRAFFIC SIGNAL HEAD
- ⊗ EVP DESIGNATOR
- ⊥ EVP DETECTOR HEAD
- OH — OVERHEAD SIGNAL CABLE
- ⊗ PEDESTRIAN COUNTDOWN TIMER 16-INCH
- ⊗ TEMPORARY SIGNAL BASE
- ⊥ B PUSH BUTTON
- ⊥ LANE DESIGNATION FOR INFORMATION ONLY
- 11 DETECTION ZONE
- ▨ WORK ZONE

NOTE: ALL LENSES ARE 12-INCH

CTH PD (MCKEE ROAD)

CTH PD (MCKEE ROAD)

SEMINOLE HIGHWAY

SEMINOLE HIGHWAY

SPEED  
LIMIT  
40SPEED  
LIMIT  
40SPEED  
LIMIT  
40SPEED  
LIMIT  
40

## CONSTRUCTION NOTES:

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TRAFFIC CONTROL SIGNAL  
CTH PD AND SEMINOLE HIGHWAY  
CITY OF FITCHBURG  
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT:

DESIGNED BY:

REVISED BY:

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PROJECT NO: 5849-02-02

HWY: CTH PD

COUNTY: DANE

TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 6

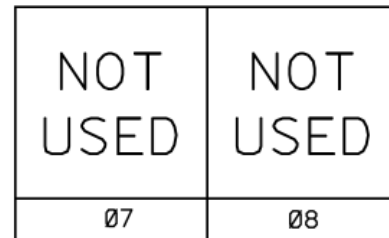
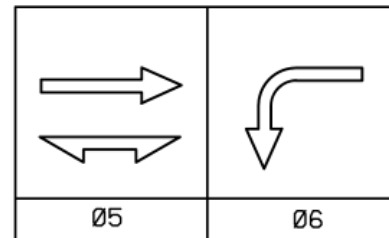
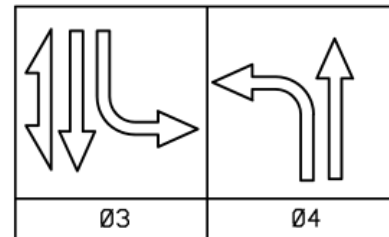
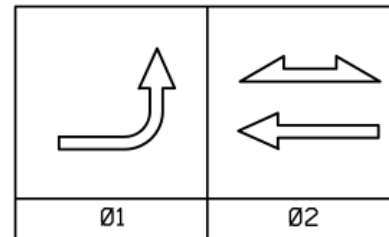
SHEET

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RING 1

	HEAD NUMBERS	FLASH
Ø1	4-5	
Ø2	10-12	R
Ø3	6-9	R
Ø4	15-18	R
Ø5	1-3	
Ø6	13-14	R
Ø7		
Ø8		
O.L. A		
O.L. B		
O.L. C		
O.L. D		
Ø2P	84-85	
Ø3P	86-87	
Ø4P		
Ø5P	80-81	



BARRIER

N

## CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				X
2		5	MIN	X
3				X
4				X
5		2	MIN	X
6				X
7				
8				

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	
SIGNAL SYSTEM #:	SS- -

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

## OVERLAPS

O.L. "A" =	NONE
O.L. "B" =	
O.L. "C" =	
O.L. "D" =	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

## DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	---	21	---	---	---	---	---	---
PHASE CALLED								
PHASE EXTENDED		2						
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)	51	52	---					
PHASE CALLED								
PHASE EXTENDED	5	5						
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	11	---	31	32	33	41	42	43
PHASE CALLED	1		3	3	3	4	4	4
PHASE EXTENDED	1		3	3	3	4	4	4
DISCONNECT TIME								
CALLING DELAY			15			15		
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)	---	---	61					
PHASE CALLED			6					
PHASE EXTENDED			6					
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

## EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE DETECTOR	A	B	C	D
MOVEMENT				
PHASE	6+2	1+5	3	4

AFTER PREEMPTION SEQUENCE 6+2 OR 1+5,  
CONTROLLER SHALL RETURN TO PHASES 2+5.

AFTER PREEMPTION SEQUENCE 3,  
CONTROLLER SHALL RETURN TO PHASES 3.

AFTER PREEMPTION SEQUENCE 4,  
CONTROLLER SHALL RETURN TO PHASES 4.

## GENERAL NOTES:

1. SEQUENCE OF OPERATIONS PROVIDED FOR INFORMATION ONLY
2. PHASE 2 PEDESTRIAN NOT ACTIVE DURING STAGE 1
3. PHASE 3 PEDESTRIAN NOT ACTIVE DURING STAGE 4

CTH PD &  
SEMINOLE HIGHWAY  
CITY OF FITCHBURG  
DANE

SIGNAL NO. TEMP

CONTROLLER TYPE: Econolite

DATE ----

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